# Chapter 4 References

## **Chapter 2. Proposed Action and Alternatives**

Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volumes 1-3, August 2001, amended in October 2001.

#### Section 3.1 Earth

- Busacca, A.J. and E.V. McDonald. 1994. Regional sedimentation of late quaternary loess on the Columbia Plateau: sediment source areas and loess distribution patterns. In Lasmanis, R., Cheney, E. S., convenors, Regional geology of Washington State. Washington Division of Geology and Earth Resources Bulletin 80: 181-190.
- DOE (U.S. Department of Energy). 1987. Disposal of Hanford defense high-level, transuranic and tank wastes, final environmental impact statement, Hanford site. 5 vols.
- GeoEngineers, Inc. 1997. Report: Geotechnical engineering study, urea plant, Wallula, Washington. Prepared for Btu Energy, Inc., Bellevue, Washington.
- Lindsey, K.A. 1996. The Miocene to Pliocene Ringold formation and associated deposits of the ancestral Columbia River system, south-central Washington and north-central Oregon. Washington Division of Geology and Earth Resources open file report 96-8.
- Mann, G.M. 1994. Late Cenozoic structure and correlation to seismicity along the Olympic-Wallowa lineament, northwestern United States: discussion and reply; reply. Geological Society of America Bulletin 106(12): 1639-1641.
- Mann, G.M. and C.E. Meyer. 1993. Late Cenozoic structure and correlation to seismicity along the Olympic-Wallowa lineament, northwest United States. Geological Society of America Bulletin 105(7): 853-871.
- McCrumb, D.R, R.W. Galster, R.S. Crosson, R.S. Ludwin, and D.O.West. 1989.

  Tectonics, seismicity, and engineering seismicity in Washington. In Galster, R.W., Editor, Engineering Geology in Washington 1:97-120.

- Myers, C.W. and S.M. Price, et al. 1979. Geologic studies of the Columbia Plateau, a status report. Report No. RHO-BWI-ST-4, Rockwell International, Richland, WA.
- Noson, L.L., A. Qamar, and G.W. Thorsen. 1988. Washington State earthquakes: information circular 85. Washington State Department of Natural Resources, Washington Division of Geology and Earth Resources.
- Reidel, S.P., N.P. Campbell, K.R. Fecht, and K.A. Lindsey. 1994. Late Cenozoic structure and stratigraphy of south-central Washington. In Lasmanis, R., Cheney, E. S., convenors, Regional geology of Washington State. Washington Division of Geology and Earth Resources Bulletin 80: 159-180.
- Reidel, S.P. and T.L. Tolan. 1994. Late Cenozoic structure and correlation to seismicity along the Olympic-Wallowa lineament, northwestern United States: discussion and reply; discussion. Geological Society of America Bulletin 106(12): 1634-1638.
- Schuster, J.E. 1994. Geologic map of the Walla Walla 1:100,000 Quadrangle, WA. Open file report 94-3. Washington State Department of Natural Resources, Washington Division of Geology and Earth Resources.
- Tillson, D.D. 1989. Geology and seismic considerations of the Hanford nuclear site. In Galster, R.W., chairman. Engineering Geology in Washington, p. 569-588. Washington Division of Geology and Earth Sciences.
- USDA (U.S. Department of Agriculture). 1964. Soil survey: Walla Walla County, Washington. U.S. Department of Agriculture Soil Conservation Service, series 1957, No. 16.
- \_\_\_\_\_\_. 1984. Soil survey: Umatilla County, Oregon, U.S. Department of Agriculture Natural Resources Conservation Service (NCRS) (formerly Soil Conservation Service).
- USGS (U.S. Geological Survey). 1966. Juniper Canyon quadrangle, Oregon-Washington, 7.5 minute series (topographic). Denver, CO.
- \_\_\_\_\_\_. 1992. Wallula quadrangle, Washington-Oregon, 7.5 minute series (topographic). Denver, CO.
- . 1993. Hat Rock quadrangle, Oregon-Washington, 7.5 minute series (topographic). Denver, CO.

 1993. Juniper quadrangle, Oregon-Washington, 7.5 minute series (topographic). Denver, CO.
. 1993. Umatilla quadrangle, Oregon-Washington, 7.5 minute series (topographic). Denver, CO.
1996. National seismic hazards mapping project.
. 2000. National seismic hazards mapping project – interactive
deaggregations. November. Available: <a href="http://gldeff.cr.usgs.gov//eqint/html/deaggint.shtml">http://gldeff.cr.usgs.gov//eqint/html/deaggint.shtml</a> >.

- Walker, G.W. 1973. Reconnaissance geologic map of the Pendleton quadrangle, Oregon and Washington. U.S. Geological Survey miscellaneous geologic investigations map I-727.
- Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volume 1, August 2001, amended in October 2001.
- West, M.W., F.X. Ashland, A.J. Busacca, G.W. Berger, and M.E. Shaffer. 1996. Late Quaternary deformation, Saddle Mountains anticline, south-central Washington. Geology 24(12): 1123-1126.

# 3.2 Air Quality

- BC Hydro 2001. Request for greenhouse gas offset proposal for 5.5 million tones of greenhouse gas offsets. Available: <a href="https://www.bchydro.bc.ca/news/2001/feb/feb01-23a.html">www.bchydro.bc.ca/news/2001/feb/feb01-23a.html</a>.
- Seattle City Light. 2001. Resolution Number 30359. A resolution outlining Seattle City Light's strategy for meeting the goal of zero net greenhouse gas emissions and establishing specific greenhouse gas mitigation targets and timelines. July 23, 2001.
- Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volumes 1-3, August 2001, amended in October 2001.

#### 3.3 Water Resources

- Barr Engineering Company. 1997. Wallula Mill groundwater study. Prepared for Boise Cascade Corporation.
- Corps (U.S. Army Corps of Engineers). Undated. NcNary master plan: Lake Wallula. Walla Walla, Washington 99362. Available: <www.nww.usace.army.mil/html/offices/pl/er/mcnary/mcnarymp.html>.
- Drost, B.W, S.E. Cox, and K.M. Schurr. 1997. Changes in ground-water levels and ground-water budgets, from predevelopment to 1986, in parts of the Pasco basin, Washington. Water Resources Investigations Report 96-4086. U.S. Geological Survey.
- Ecology (Washington State Department of Ecology). 2001. Stormwater management manual for western Washington. Volumes I –V. Publication numbers 99-11, 99-12, 99-13, 99-14, 99-15. September 2001.

	Undated.	Drillers well logs for Wallula area.
	Undated.	Water right information tracking system (WRITS)
database.		

- GeoEngineers, Inc. 1997. Geotechnical engineering study, urea plant, Wallula Washington. Prepared for Btu Energy, Inc., Bellevue, WA.
- Gephart, R.E., R.C. Arnett, R.G. Baca, L.S. Leonhart, and F.A. Spane, Jr. 1979. Hydrologic studies within the Columbia Plateau, Washington; an integration of current knowledge. RHO-BWI-ST-5. Rockwell Hanford Operations.
- Gullixson. 1999. Ground water report. Ground water study for a water well for industrial use in Walla Walla County. Consulting report to Anderson Perry Engineering related to Port of Walla Walla well.
- Hogenson, G.M. 1964. Geology and groundwater of the Umatilla River basin, Oregon. U. S. Geological Survey Water-supply paper 1620.
- Myers, C.W. and S.M. Price. 1979. Geologic studies of the Columbia Plateau a status report. RHO-BWI-ST-4. Rockwell Hanford Operations.
- Pacific Groundwater Group. 2001. Groundwater resources, EFSEC application for the Wallula Power Project, Section 3.3.4. August.

- Spalding, R.F., M.E. Exner, C.W. Lindau, and D.W. Eaton. 1982. Investigation of sources of groundwater nitrate contamination in the Burbank -Wallula area of Washington, U.S.A. Journal of Hydrology 58: 307-324.
- USDA (U.S. Department of Agriculture). 1964. Soil Survey: Walla Walla County, Washington, 1964. U.S. Department of Agriculture Soil Conservation Service, Series 1957, No. 16.
- USGS (U. S. Geological Survey). 1992a. 7.5 -minute quadrangle map of the Humorist quadrangle, Washington. 1:24,000.
- . 1992b. 7.5-minute quadrangle map of the Wallula quadrangle, Washington. 1:24,000.
- . Undated. Groundwater Levels Database for Wallula Area.
- Walker, G.W. and N.S. MacLeod. 1991. Geologic map of Oregon. U.S. Geological Survey, 1:500,000.
- Wallula Generation LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volumes 1-3, August 2001, amended in October 2001.
- Western Pacific Engineering, Inc. 2000. Contour topography map for the main plan site, Wallula Power Project. Prepared for Newport Northwest, LLC.

# 3.4 Wetlands and Vegetation

- Chen-Northern. 1993. Phase I environmental site assessment report for site located near Wallula, WA. Project No. 193-2002. June 1993. Pocatello, ID.
- Cooke Scientific Services, Inc. 2000. Wetland and buffer functions semi-quantitative assessment methodology. Final working draft user's manual.
- Corps (U.S. Army Corps of Engineers) 1987. Corps of Engineers wetland delineation manual. Waterways Experiment Station, Environmental Laboratory. Vicksburg, MS.
- Cowardin L.M., et al. 1979. Classification of wetlands and deepwater habitats of the United States. FWS/OBS 79/31. U.S. Fish and Wildlife Service. Washington, DC

- Daubenmire, R. 1970. Steppe vegetation of Washington. Reprinted 2000. EB1446. Washington State University Cooperative Extension.
- Ecology (Washington Department of Ecology). 1991. Washington state wetlands rating system for eastern Washington. Ecology Publication 91-58. October 1991.
- \_\_\_\_\_. 1997. Washington state wetlands identification and delineation manual. Publication No. 96-94.
- ENTRIX, Inc. 2001. Botanical technical report for the Wallula transmission line project. Seattle, WA.
- Franklin, J.F. and C.T. Dyrness. 1973. Natural vegetation of Oregon and Washington. Oregon State University Press.
- Merker, C. 2001. Letter from Chris Merker, Washington Department of Ecology, Spokane, WA. May 9, 2001.
- Scheeler, C. and E. Quaempts. Confederated Tribes of the Umatilla Reservation. Meeting with Richard Heredia and Don Rose of Bonneville. August 21, 2001.
- Smayda Environmental Associates, Inc. 2001a. Wallula Power Project wetland evaluation report. Seattle, WA. Prepared for Wallula Generation, LLC. July 2001.
- \_\_\_\_\_\_. 2001b. Wallula Power Project wildlife and botanical survey report. Seattle, WA. Prepared for Wallula Generation, LLC. July 2001.
- USFWS (U.S. Fish and Wildlife Service). 2001. National wetlands inventory maps. Available: <www.nwi.fws.gov>.

# 3.5 Agricultural Crops and Livestock

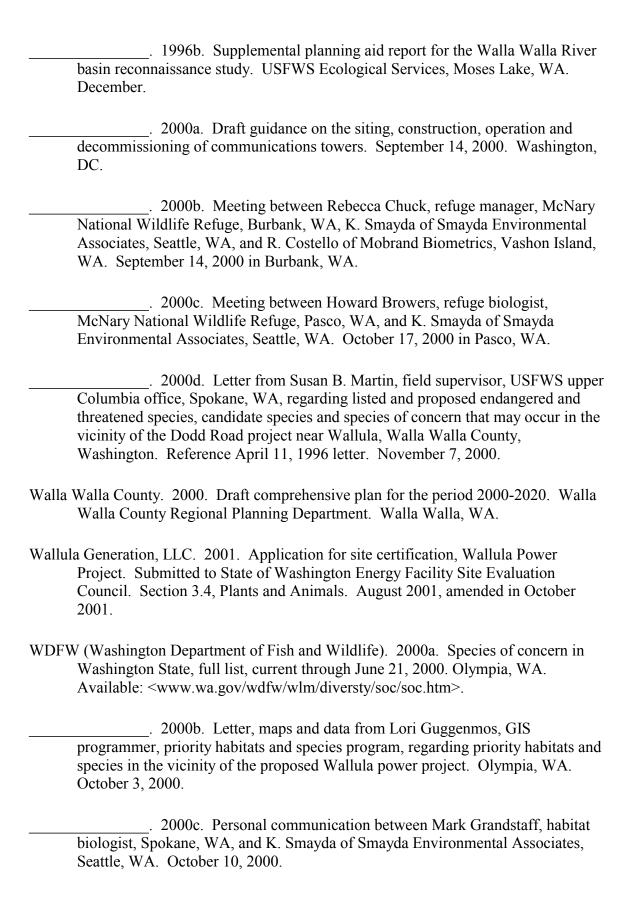
- Adelman, Robert. Director, Umatilla County NRCS, Pendleton, OR. September 5, 2001—meeting, phone conversations with Bonneville staff/consultants.
- Baggett, Nita. Employee, Superior Farms, Inc., Hermiston, OR. September 6, 2001—phone conversation with Bonneville staff/consultants.
- Hooker, Larry. Director, Walla Walla County NRCS, Walla Walla, WA. September 6, 2001—meeting, phone conversations with Bonneville staff/consultants.

- Latham, R. Landowner of Latham property, Stanfield, OR. September 6, 2001—phone conversation with Bonneville staff.
- Long, R. Personal communication between ENTRIX, Inc. and R.E. Kimmerling of PanGEO, Inc., Seattle, WA. National Resource Conservation Service, Walla Walla District, Walla Walla, WA. 2000.
- Mautz, Robert. Landowner, Mautz Farms, Pendleton, OR. September 7, 2001—phone conversation with Bonneville staff/consultants.
- Neal, Ray. Employee Grain Growers (PDG), Walla Walla, WA. September 10, 2001—phone conversation with Bonneville staff/consultants, fax transmittal of wheat prices for fiscal year.
- USDA (U.S. Department of Agriculture). 2001. <a href="www.nass.usda.gov">www.nass.usda.gov</a>>. Accessed: August 8, 2001.
- Warden, Brian. Landowner, Two Rivers Farm, Wallula, WA. September 6, 2001—phone conversation with Bonneville staff/consultants.

#### 3.6 Wildlife

- Ackerman, S. 1994. White pelicans nest successfully at Crescent Island. Journal of the Washington Ornithological Society October 1994.
- APLIC (Avian Power Line Interaction Committee). 1994. Mitigating bird collisions with power lines: The state of the art in 1994. Edison Electric Institute. Washington, DC.
- Confederated Tribes of the Umatilla Indian Reservation and Bonneville Power Administration. 2001. Wanaket Wildlife Area Draft Management Plan. June.
- Denny, M. Personal communication between Mike Denny, biological consultant and Blue Mountain Audubon representative, College Place, WA, and K. Smayda of Smayda Environmental Associates, Seattle, WA. December 28, 2000.
- Dobler, F.C., J. Eby, C. Perry, S. Richardson, and M.V. Haegen. 1996. Status of Washington's shrub-steppe ecosystem: extent, ownership, and wildlife/vegetation relationships. Washington Department of Fish and Wildlife, Olympia, WA. August 1996. Available: <a href="https://www.wa.gov/wdfw/hab/phshabs">www.wa.gov/wdfw/hab/phshabs</a>.
- ENTRIX, Inc. 2001. Wildlife technical report for the Wallula transmission line project.

- Green, E. 1999. Abundance and habitat associations of Washington ground squirrels in north-central Oregon. M.S. Thesis, Oregon State University, Corvallis, OR.
- Kirsch, Mark. District Biologist. Pendleton Wildlife District, Oregon Department of Fish and Wildlife. Pendleton, OR. Telephone conversation. July 10, 2001.
- Kleinfelder and EnviroNet AeroScience. 1997. SEPA checklist and biological assessment for the Wallula urea facility, Wallula, Washington. Kleinfelder, Inc., Bellevue, WA, and EnviroNet AeroScience, LLC, Santa Barbara, CA. August.
- LeClerc, S. Personal communication by S. LeClerc, Newport Northwest, LLC, Newport Beach, CA, and K. Smayda, Smayda Environmental Associates, Inc., Seattle, WA. 2001.
- Olendorff, R.R. and R.N. Lehman. 1986. Raptor collisions with utility lines: An analysis using subjective field observations. Pacific Gas and Electric Company. San Ramon, CA.
- Reynolds, T.D. and C.H. Trost. 1981. Grazing, crested wheatgrass, and bird populations in Southeastern Idaho. Northwest Science 55:225-234.
- Scheeler, Carl and Eric Quaempts. Confederated Tribes of the Umatilla Reservation. Meeting with Richard Heredia and Don Rose of BPA. August 21, 2001.
- Scott, K. Personal communication by K. Scott, environmental manager, Boise Cascade Corporation, Wallula Pulp Mill, Wallula, WA, and K. Smayda, Smayda Environmental Associates, Inc., Seattle, WA. 2001.
- SCPBRG (Santa Cruz Predatory Bird Research Group). 2001. Burrowing owl survey protocol. Prepared by the burrowing owl consortium of the Santa Cruz predatory bird research group at Long Marine Laboratory, University of California, Santa Cruz. Available: <www2.ucsc.edu/~scpbrg/section1.html>. Accessed: March 8, 2001.
- Smayda Environmental Associates, Inc. 2001. Spring 2001 botanical and wildlife surveys report for the proposed Wallula power project. Prepared for Newport Northwest, LLC, Kirkland, WA by Smayda Environmental Associates, Inc., Seattle, WA.
- USFWS (U.S. Fish and Wildlife Service). 1996a. Letter from Philip Laumeyer, field supervisor, upper Columbia River basin field office, Spokane WA, regarding listed and proposed endangered and threatened species, candidate species, and species of concern that may occur in the vicinity of the Dodd Road project near Wallula, Walla Walla County, WA. April 11, 1996.



\_\_\_\_\_. 2001. Priority Habitats and Species. Available <a href="www.wa.gov/wdfw/hab/phspage.htm">www.wa.gov/wdfw/hab/phspage.htm</a>. Accessed August 8, 2001.

#### 3.7 Fisheries

- Baley, Tim. Fisheries Biologist. Oregon Department of Fish and Wildlife, Pendleton, OR. September 5, 2001 meeting with Bonneville consultants to discuss fisheries issues.
- CTUIR and Bonneville (Confederated Tribes of the Umatilla Indian Reservation and Bonneville Power Administration.) 2001. Wanaket Wildlife Area Draft Management Plan. June.
- NMFS (National Marine Fisheries Service). 2000. Endangered Species Act status of west coast salmon and steelhead. Updated June 20, 2000. Northwest regional office, NMFS, NOAA, Seattle, WA. Available: <www.nwr.noaa.gov/1salmon/salmesa/pubs/1pgr.pdf>.
- ODFW (Oregon Department of Fish and Wildlife). 2001. Warmwater game fish: Cold Springs Reservoir. Last revised: September 6, 2001. Available: <a href="https://www.dfw.state.or.us">www.dfw.state.or.us</a>>. Accessed: September 7, 2001.
- StreamNet. 2001. On-line fish distribution data, Walla Walla River. Last revised June 19, 2001. Available: <a href="https://www.streamnet.org">www.streamnet.org</a>. Accessed: June 20, 2001.
- Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Section 3.4, Plants and Animals. August 2001, amended in October 2001.
- WDFW (Washington Department of Fish and Wildlife). 2000. Final margined sculpin status report: executive summary. Available: <www.wa.gov/wdfw/wlm/diversty/soc/status/sculpin/sculxsum.htm>.
- \_\_\_\_\_\_. 2001a. Database information, Priority Species and Habitats map and species list. May 2001. Olympia, WA.
- \_\_\_\_\_\_. 2001b. Priority Habitats and Species List. Last revised: August 2001. Available: <a href="http://www.wa.gov/wdfw/hab/phspage.htm">http://www.wa.gov/wdfw/hab/phspage.htm</a>. Accessed: August 8, 2001.
- Wright, Chris. Fisheries Biologist. National Marine Fisheries Service, Seattle, WA. September 10, 2001 telephone conversation with Bonneville consultants.

## 3.8 Energy and Natural Resources

- Energy Information Administration. 2001. U.S. national gas markets: recent trends and prospects for the future.
- Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volumes 1-3, August 2001, amended in October 2001.

#### 3.9 Noise

- Bracken, T.D. 2001. Draft electrical effects. Prepared for Bonneville Power Administration by T. Dan Bracken, Inc.
- FTA (Federal Transit Administration). 1995. Transit noise and vibration impact assessment. PB96-172135. April.
- Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volumes 1-3, August 2001, amended in October 2001.

#### 3.10 Land Use

- Adelman, Bob. Oregon Natural Resources Conservation Service, Pendleton, Oregon. July and September 2001. Meeting and telephone conversations with ENTRIX, Inc. staff.
- Walla Walla County. 1975. Walla Walla County shoreline master management program. Walla Walla, WA.
- \_\_\_\_\_\_. 2000. Draft comprehensive plan for the period 2000-2020. Walla Walla County Regional Planning Department. Walla Walla, WA.
- Walla Walla Regional Planning Commission. 1968. Existing development plan for Western Walla Walla County.
- \_\_\_\_\_. 1968. Western Walla Walla County a plan of development 1968-1988. Walla Walla County, WA.

- \_\_\_\_\_. 1968. Western Walla Walla County development plan. Walla Walla, WA
- Walla Walla County Regional Planning Department. 2000. Walla Walla County 2020 comprehensive plan/environmental impact statement. Walla Walla County, WA.
- Walla Walla County Shorelines Citizen Advisory Committee and Walla Walla Regional Planning. 1975. Walla Walla County shoreline master program. Walla Walla County, WA.

#### 3.11 Visual

BLM (Bureau of Land Management). 1980. Visual Resource Management Program Manual 8400 and 8410. U.S. Department of the Interior. Washington, D.C.

## 3.12 Population, Housing, and Economics

- Armstrong, David. Project Manager. The Industrial Corporation. Personal communication with Bonneville staff/consultants. August 2001.
- Corps (U.S. Army Corps of Engineers). 2001. Available: <a href="https://www.nww.usace.army.mil/planning/er/landclas/">www.nww.usace.army.mil/planning/er/landclas/</a>>.
- CTED (Washington Department of Community, Trade and Economic Development). 2000. Available: <a href="https://www.travel-in-wa.com">www.travel-in-wa.com</a>>.
- Martin, Karen. Personal communication with A. Pedroso of Huckell/Weinman Associates, Inc., Kirkland, WA. Walla Walla County Auditor, Walla Walla, WA. November 22, 2000.
- Oregon Employment Department. 1994. Umatilla County resident labor force, unemployment, and employment 1990. October.
- \_\_\_\_\_\_. 2001. Umatilla County resident labor force, unemployment, and employment 2000. April.
- Oregon Housing and Community Services Department. 2001. Oregon manufactured dwelling park directory for Umatilla County. March 1.
- Oregon Tourism Commission. 2001. Travel Oregon online. Available: <a href="https://www.traveloregon.com">www.traveloregon.com</a>>. Accessed: August 2001.

- Pacific Northwest National Laboratory. 2000. Hanford site National Environmental Policy Act (NEPA) characterization. September.
- Port of Walla Walla. 2000. Walla Walla County economic data. Walla Walla, WA.
- 2001. Walla Walla County and cities building permit activity 1993-1999. Available: <a href="https://www.portwallawalla.com/profile/default.htm">www.portwallawalla.com/profile/default.htm</a>. July 2001.
- Shaw, Dean. Personal communication with A. Pedroso of Huckell/Weinman Associates, Inc., Kirkland, WA. Washington Employment Security Department, Pasco, WA. December 6, 2000.
- Stienstra, T. 2000. Pacific Northwest camping: The complete guide to campsites in Washington and Oregon. Emeryville, CA.
- Tri-Cities Visitors & Convention Bureau. Available: <www.visittri-cities.com>. Accessed: July 2001.
- U.S. Census Bureau. 2000. 1997 estimated number and percent people of all ages in poverty by county and state. Released: November 2000. Available: <a href="https://www.census.gov/hhes/www/saipe/stcty">www.census.gov/hhes/www/saipe/stcty</a>. Accessed: August 2001.
- \_\_\_\_\_. 2001. State and county quick facts. Available: <a href="www.quickfacts.census.gov/qfd/states">www.quickfacts.census.gov/qfd/states</a>. Accessed: July 2001.
- Utility Engineering. 2000. Socioeconomic data, Wallula power project, Wallula, Washington. February 5, 2001. Prepared for Newport Northwest, LLC. Denver, CO.
- Walla Walla County Office of the Assessor. 2000. Walla Walla County assessment guide, tax year 2000. Walla Walla, WA.
- Walla Walla County Regional Planning Department. 2000. Walla Walla County 2020 comprehensive plan/environmental impact statement. Walla Walla County, WA.
- Walla Walla Valley Chamber of Commerce. Telephone conversation with Bonneville staff/consultants. August 2, 2001.
- Wallula Generation, LLC. 2001. Application for site certification, Wallula Power Project. Submitted to State of Washington Energy Facility Site Evaluation Council. Volumes 1-3, August 2001, amended in October 2001.

Washington Department of Revenue. 1995. Quarterly business review, 1995. Olympia, WA.
1996. Quarterly business reviews, 1996. Olympia, WA.
1997. Quarterly business reviews, 1997. Olympia, WA.
1998. Quarterly business reviews, 1998. Olympia, WA.
1999. Quarterly business reviews, 1999. Olympia, WA.
2001. Real estate excise taxes, RCW 82.45 and 82.46. Available: <a href="https://www.dor.wa.gov/reports/taxref99/"></a> .
Washington State Employment Security Department. 1998. 1990 annual average Washington State resident civilian labor force and employment. April 1.
. 2000. Covered employment and wages, classified by industry, 1999. Available: <www.wa.gov esd="">.</www.wa.gov>
2001a. 2000 annual average Washington State resident civilian labor force and employment. April 1.
2001b. Tri-cities profile. April.
2001c. Walla Walla County profile. October.
Washington State Office of Financial Management. 1987. Washington State input- output study. Olympia, WA.
2000b. 2000 population trends for Washington State. Olympia, WA
3.13 Public Services and Utilities
Benkendorf Associates Corporation. 1998. HUES growth impact study western Umatilla County. February.
Brown, Judy. Basin Disposal Telephone conversation with Bonneville staff/consultants April 15, 2001.

CH2M HILL. 2000. Final SEPA EIS for FPL Energy's stateline wind project. October.

- Corps (U.S. Army Corps of Engineers). Undated. Lake Wallula recreation guide. Walla Walla District, Walla Walla, WA.
- Good Shepard Hospital. July 30, 2001. Telephone conversation with Bonneville staff/consultants.
- Hawkins, Bruce H. Personal interview for preparation of Application for Site Certification. Columbia School District superintendent of schools. November 15, 2000.
- Hermiston Police Department. Telephone conversation with Bonneville staff/consultants. August 6, 2001.
- Jones, Melody. Telephone conversation with Bonneville staff/consultants. Lourdes Medical Center Public Relations Department. November 20, 2000.
- Office of Economic Analysis, State of Oregon. 1997a. Long-term population & employment forecasts for Oregon: components of population change 1990-2040. Available: <a href="https://www.oca.das.state.or.us/demographic/longterm/or\_sumry.htm">www.oca.das.state.or.us/demographic/longterm/or\_sumry.htm</a>. Accessed: November 2001.
- Oregon Economic and Community Development Department. 2001. Community profiles. Available: <a href="http://www.econ.state.or.us/toc.htm">http://www.econ.state.or.us/toc.htm</a>. Accessed: June 2001.
- Pacific Northwest National Laboratory. 2000. Hanford Site National Environmental Policy Act (NEPA) characterization. September.
- St. Anthony Hospital. Telephone conversation with Bonneville staff/consultants. July 30, 2001.
- Stensrud, Chris. City of Umatilla. Telephone conversation with Bonneville staff/consultants. August 6, 2001.
- Umatilla County Sheriff's Department. Telephone conversation with Bonneville staff/consultants. August 6, 2001.
- Umatilla Police Department. Telephone conversation with Bonneville staff/consultants. August 6, 2001.

- Umatilla Rural Fire Protection. Telephone conversation with Bonneville staff/consultants. July 29, 2001.
- Walla Walla County Regional Planning Department. 2000. Walla Walla County 2020 comprehensive plan/environmental impact statement. Walla Walla County, WA.
- White, Bill. Captain. Walla Walla County Sheriff's Department. Personal interview for preparation of Application for Site Certification. November 16, 2000.
- Yamane, Keith. Chief. Walla Walla County Fire Protection District 5. Personal interview for preparation of Application for Site Certification. November 15, 2000.

#### 3.14 Cultural Resources

- Draper, J.A. 1992. The 1992 options analysis study: Cultural resources. Report prepared for Walla Walla District, U.S. Army Corps of Engineers. Contributions in Cultural Resource Management No. 38. Pullman, WA.
- ENTRIX, Inc. 2001. Cultural resources technical report, Newport Northwest transmission line project, Wallula, Washington to McNary, Oregon. Seattle, WA.
- Farrow, T. 2001. Traditional cultural property assessment of the proposed Wallula Power Plant. Confederated Tribes of the Umatilla Indian Reservation. Pendleton, OR.
- Flenniken, J.J., and P. Trautman. Cultural resource survey, Wallula Power Project, Wallula, Washington. Lithic Analysts. Pullman, WA.
- Lavender, D. 1958. Land of Giants: The drive to the Pacific Northwest, 1750-1950. Doubleday and Company, Inc. Garden City, NY.
- Stern, T. 1998. Cayuse, Walla Walla, and Umatilla. In D.E. Walker, Jr. (ed.) Plateau. Handbook of North American Indians. Volume 12. Smithsonian Institution Press. Washington, D.C.
- Stratton, D.H., and G.W. Lindeman. 1976. A cultural resources survey for the United States Army Corps of Engineers, Walla Walla District. Historical Resources Study. Washington Archaeological Research Center Project Reports 28. Washington State University. Pullman, WA.

- Walker, D.E., Jr. 1998. Introduction. In D.E. Walker, Jr. (ed.) Plateau. Handbook of North American Indians. Volume 12. Smithsonian Institution Press. Washington D.C.
- Zucker, J., K. Hummell, and B Hogfoss. 1983. Oregon Indians, culture, history and current affairs, an atlas and introduction. Western Imprints, The Press of the Oregon Historical Society. Portland, OR.

## 3.15 Traffic and Transportation

- FHWA (Federal Highway Administration). 2001. Manual on uniform traffic control devices for streets and highways. 1988.
- Holstrom, Rick. WSDOT south central region. Union Gap, Washington. Telephone conversation. November 2, 2001.
- WSDOT (Washington State Department of Transportation). 1999 annual traffic report. WSDOT planning and program service center, in cooperation with U.S. Department of Transportation, Federal Highway Administration.

## 3.16 Health and Safety

- EPA (U.S. Environmental Protection Agency. 1999. Risk management program guidance for offsite consequence analysis. 550-B-99-009. April.
- Feychting, M. and A. Ahlbom 1993. Magnetic fields and cancer in children residing near Swedish high-voltage power lines. American Journal of Epidemiology 7:467-481.
- Green, L.M., A.B. Miller, D.A. Agnew, M.L. Greenberg, J.H. Li, P.J. Villeneuve, and R. Tibshirani. 1999. Childhood leukemia and personal monitoring of residential exposures to electric and magnetic fields in Ontario Canada. Cancer Causes and Control 10:233-243.
- Green, L.M., A.B. Miller, P.J. Villeneuve, D.A. Agnew, M.L. Greenberg, J.H. Li, and K.E. Donnelly. 1999. A case control study of childhood leukemia in southern Ontario Canada, and exposure to magnetic fields in residences. Int. J. Cancer 82:161-170.
- Gurney, J.G., B.A. Mueller, S. Davis, S.M. Schwartz, R.G. Stevens, and K.J. Kopecky. 1996. Childhood brain tumor occurrence in relation to residential power line configurations, electric heating sources, and electric appliance use. American Journal of Epidemiology 143:120-128.

- IEEE (Institute of Electrical and Electronics Engineers, Inc.). 2002. National electrical safety code. 2002 ed. New York, NY.
- Kleinerman R.A., W.T. Kaune, E.E. Hatch, S. Wacholder, M.S. Linet, L.L. Robison, S. Niwa, and R.E. Tarone. 2000. Are children living near high-voltage power lines at increased risk of acute lymphoblastic leukemia? American Journal of Epidemiology 151(5):512-515.
- Linet, M.S., E.E. Hatch, R.A. Kleinerman, L.L. Robison, W.T. Kaune, D.R. Friedman, R.K. Severson, C.M. Haines, C.T. Hartsock, S. Niwa, S. Wacholder, and R.E. Tarone. 1997. Residential exposure to magnetic fields and acute lymphoblastic leukemia in children. New England Journal of Medicine 337:1-7.
- McBride, M.L. and R.P. Gallagher. 1999. Power-frequency electric and magnetic fields and risk of childhood leukemia in Canada. American Journal of Epidemiology 149:831-842.
- NIESH (National Institute of Environmental Health Sciences). 1998. Assessment of health effects from exposure to power-line frequency electric and magnetic fields: working group report. NIH Publication No. 98-3981. National Institute of Environmental Health Sciences of the U.S. National Institutes of Health. Research Triangle Park, NC.
- . 1999. Assessment of health effects from exposure to power-line frequency electric and magnetic fields. NIH Publication No. 99-4493. National Institute of Environmental Health Sciences of the U.S. National Institutes on Health. Research Triangle Park, NC.
- Preston-Martin, S., J. Gurney, J. Pogoda, E. Holly, and B. Mueller. 1996. Brain tumor risk in children in relation to use of electric blankets and water bed heaters. Results of the U.S. West Coast Childhood Brain Tumor Study. American Journal of Epidemiology 143:1116-1122.
- Preston-Martin, S., W. Navidi, D. Thomas, P. Lee, J. Bowman, and J. Pogoda. 1996. Los Angeles study of residential magnetic fields and childhood brain tumors. American Journal of Epidemiology 143:105-119.
- Savitz, D. 1988. Case-control study of childhood cancer and exposure to 60-Hz magnetic fields. 128 American Journal of Epidemiology.
- United Kingdom Childhood Cancer Study Investigators. 1999. Exposure to power frequency magnetic fields and the risk of childhood cancer. The Lancet 353 (9194):1925-31.

Wertheimer, N. and E. Leeper. 1979. Electrical wiring configurations and childhood cancer. American Journal of Epidemiology 109:273-284.

### 3.17 Cumulative Impacts

Associated Press. January 11, 2002. "New Idaho Power Plant May Impact Washington." Daily Journal of Commerce. Available: <a href="https://www.djc.com/news/co/11129258.htm">www.djc.com/news/co/11129258.htm</a>. Accessed: January 11, 2002. Bonneville (Bonneville Power Administration). June 1995. Final environmental impact statement: Volume 1 – Analysis. DOE/EIS-0183. Portland, OR. \_. 2001a. Phase I results, regional air quality modeling study. August 1, 2001. . 2001b. Newport Wallula Power Project contribution to regional haze. . 2001c. 7,000 MW baseline source group contribution to regional haze. \_. 2001d. Infrastructure additions: G-9 infrastructure progress report. Report No. 5. December 4, 2001. . 2002. Available: <www.bpa.gov/power/pgf/hydrPNW.shtml>. Accessed: January 14, 2002. CTED (Washington Department of Community, Trade and Economic Development). 1999. Greenhouse gas emissions in Washington State: sources and trends. August. DOE (U.S. Department of Energy). 1999. Carbon dioxide emissions from generation of electrical power in the United States. October 15, 1999. . 2000. Life cycle assessment of a natural gas combined cycle power generation system. U.S. Department of Energy, National Renewable Energy Laboratory. Report No. NREL/TP-570-27715. September 2000. Energy Information Administration. 2001. Historical natural gas annual 1930 through 2000. DOE/EIA-E-0110(00). Washington, D.C. Available: <www.eia.doe.gov/pub/oil gas/natural gas/data publications/</p> historical natural gas annual/current/pdf/hnga00.pdf>. Accessed: January 16, 2002.

EPA (U.S. Environmental Protection Agency). 2000. Inventory of U.S. greenhouse gas emissions and sinks: 1990 – 1998. Document EPA 236-R-00-001.

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- IPCC (Intergovernmental Panel on Climate Change). 2001a. Technical summary, climate change 2001: scientific basis. Technical summary of the working group I report. Available: <a href="https://www.ipcc.ch/">www.ipcc.ch/</a>>.
- \_\_\_\_\_. 2001b. Technical summary, climate change 2001: mitigation. technical summary of the working group III report. Available: <www.ipcc.ch/>.
- National Academy of Sciences. 2001. Climate change science: an analysis of some key questions. National Academy Press.
- NGA (Northwest Gas Association. Undated. Natural gas and the Pacific Northwest. Portland, OR. Available: <a href="https://www.nwga.org/ng\_pnw.htm">www.nwga.org/ng\_pnw.htm</a>. Accessed: November 6, 2001.
- Orca Natural Gas Pipeline. 2000. Building a natural gas transmission pipeline. Sponsored by Westcoast Energy, Inc. Available: <a href="https://www.orcapipeline.com/files/build.html">www.orcapipeline.com/files/build.html</a>. Accessed: January 11, 2002.

# Appendix D. Additional Information on Geology and Seismicity in the Project Vicinity

- Noson, L.L., A. Qamar, and G.W. Thorsen. 1988. Washington State earthquakes: information circular 85. Washington State Department of Natural Resources, Washington Division of Geology and Earth Resources.
- USDA (U.S. Department of Agriculture). 1964. Soil survey: Walla Walla County, Washington. U.S. Department of Agriculture Soil Conservation Service, series 1957, No. 16.
- \_\_\_\_\_\_. 1984. Soil survey: Umatilla County, Oregon, U.S. Department of Agriculture Natural Resources Conservation Service (NCRS) (formerly Soil Conservation Service).

# **Appendix E. Visual Assessment Methodology**

BLM (Bureau of Land Management). 1980. Visual Resource Management Program Manual 8400 and 8410. U.S. Department of the Interior. Washington, D.C.